



# **Review of Coalfield TMDL Reports**

**Presented by:  
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Southwest Regional Office  
Virginia Department of Environmental Quality**

*September 28, 2006*

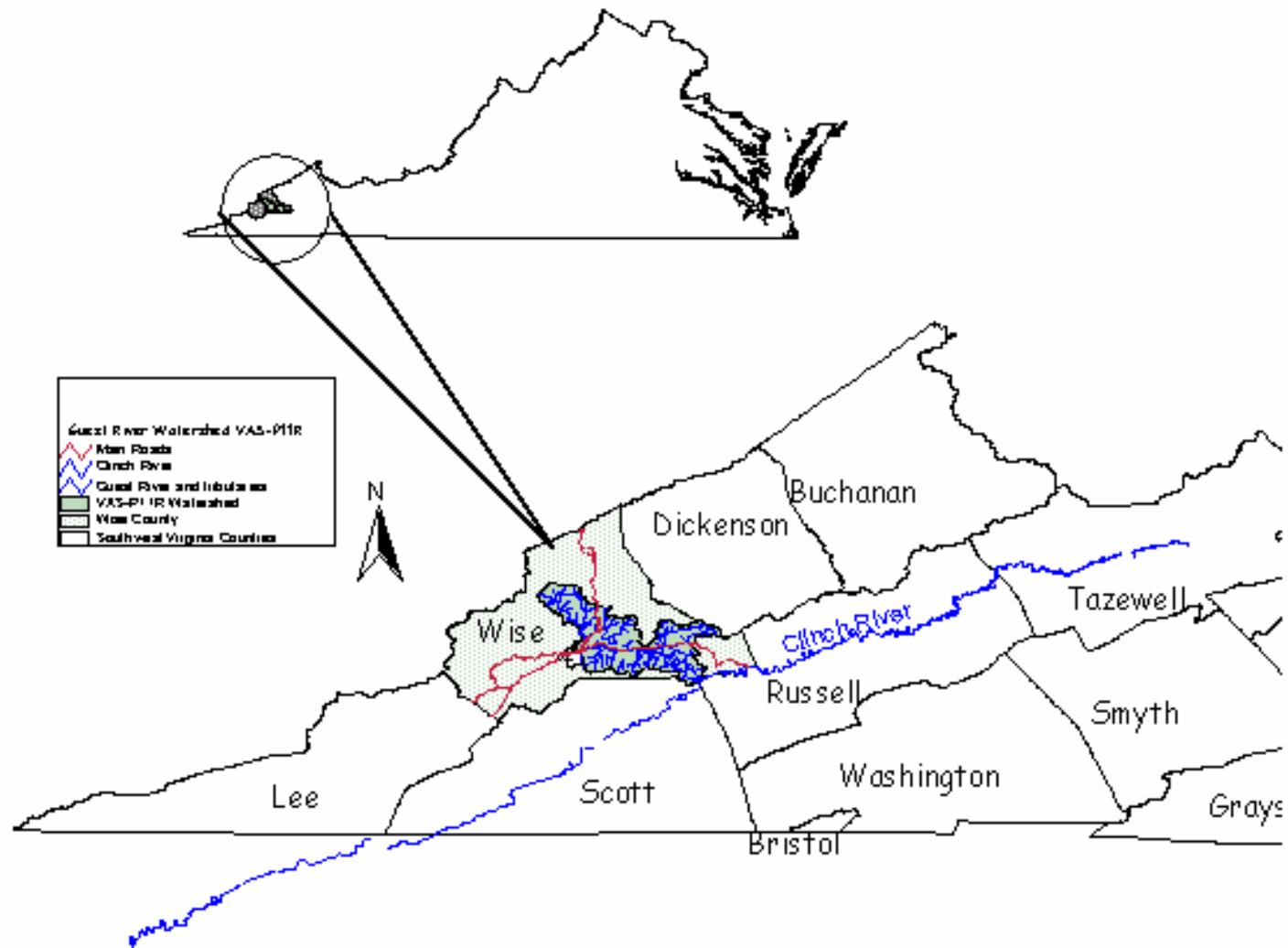
# Completed TMDL Reports

Stream	County	Pollutant	EPA Approval	SWCB Approval	Implementation Plan
Guest R	Wise	Sediment	11/13/03	3/23/04	6/28/05
Guest R tribs	Wise	E. Coli	5/04/04	8/31/04	6/28/05
Lewis Ck	Russell	Sediment	5/26/04	6/28/05	
Black Ck	Wise	Alkalinity Manganese	6/3/04	8/31/04	
Dumps Ck	Russell	Sediment TDS	6/03/04	8/31/04	Working
Middle Ck	Tazewell	De-listed	2006	n/a	

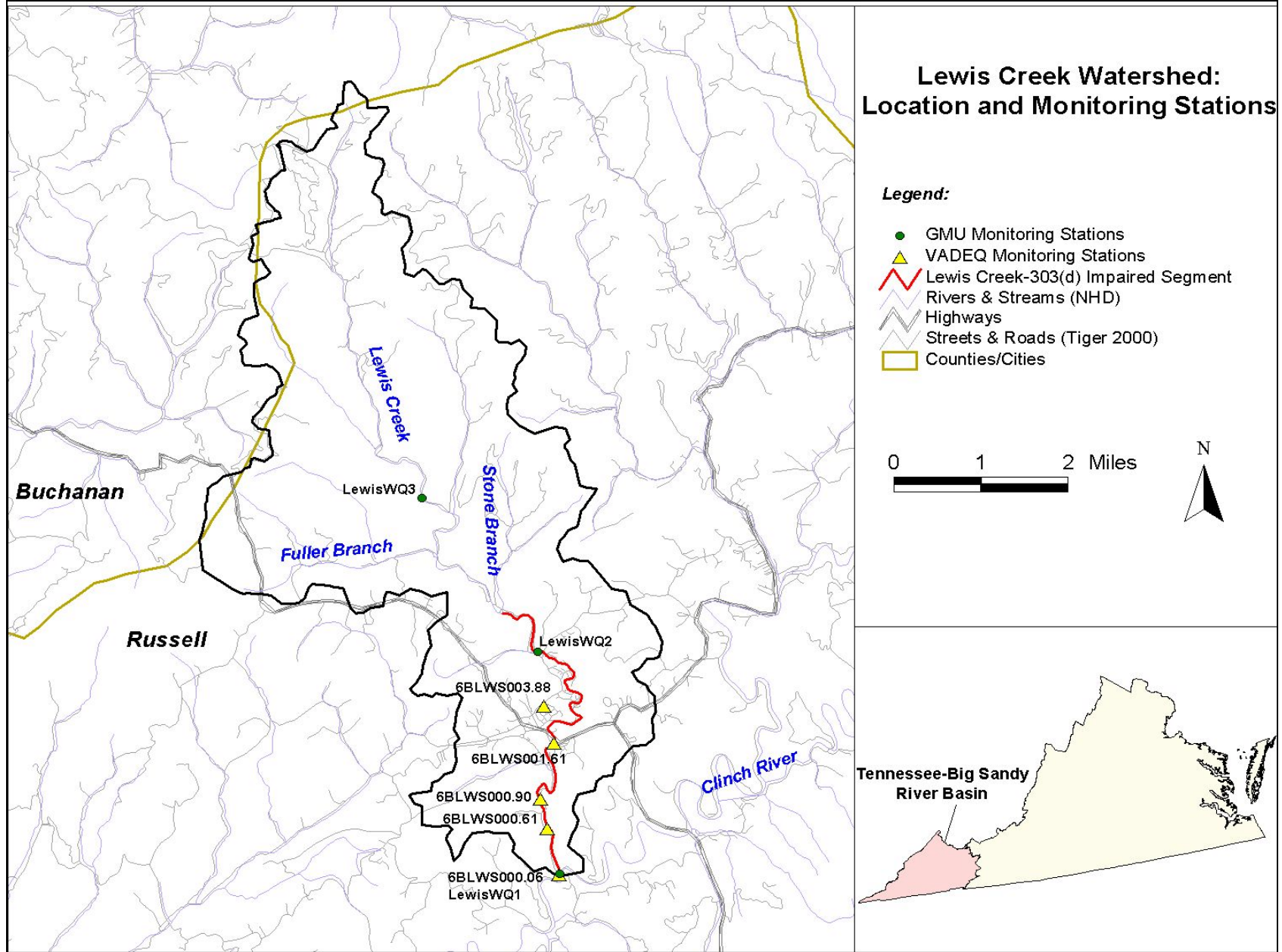
# 2006 TMDL Reports cont.

Stream	County	Pollutant	EPA Approval	SWCB Approval	Implementation Plan
Straight Ck & Trib	Lee	E.Coli,TDS Sediment	6/08/06		
Callahan Ck	Wise	E.Coli,TDS Sediment	6/22/06		
Russell Prater Ck	Buchanan, Dickenson	E.Coli,TDS	6/22/06		
Knox Ck	Buchanan	E.Coli,TDS			Working
Pawpaw Ck	Buchanan	Sediment TDS			Working
Laurel Fk	Tazewell	E. Coli Sediment D.O.	Public Comment 10/02/06		

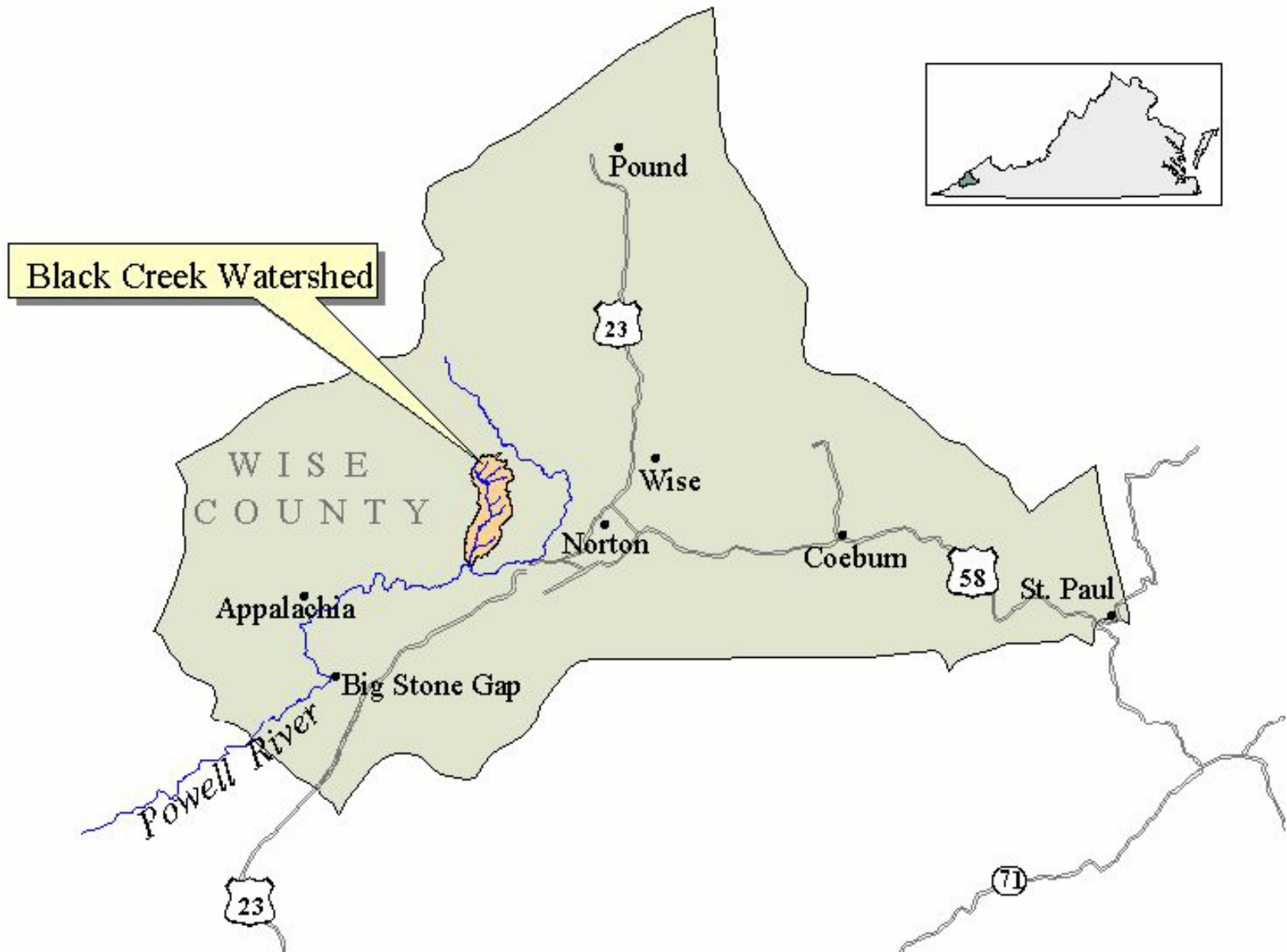
# Guest River - Sediment Toms Ck, Little Toms Creek, Sepulcher Ck, and Crab Orchard E. Coli



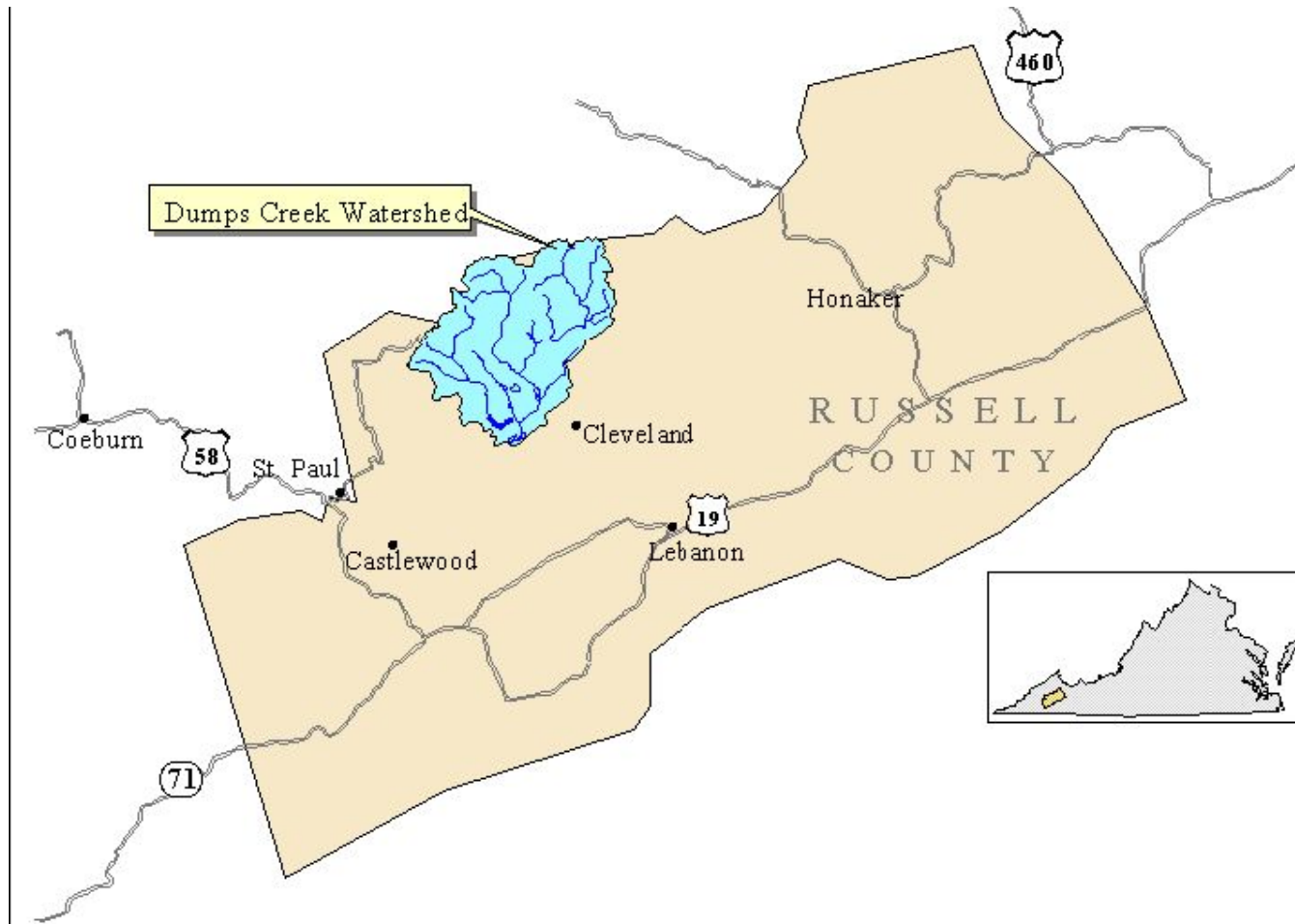
# Lewis Creek - Sediment



# Black Creek – Alkalinity and Manganese

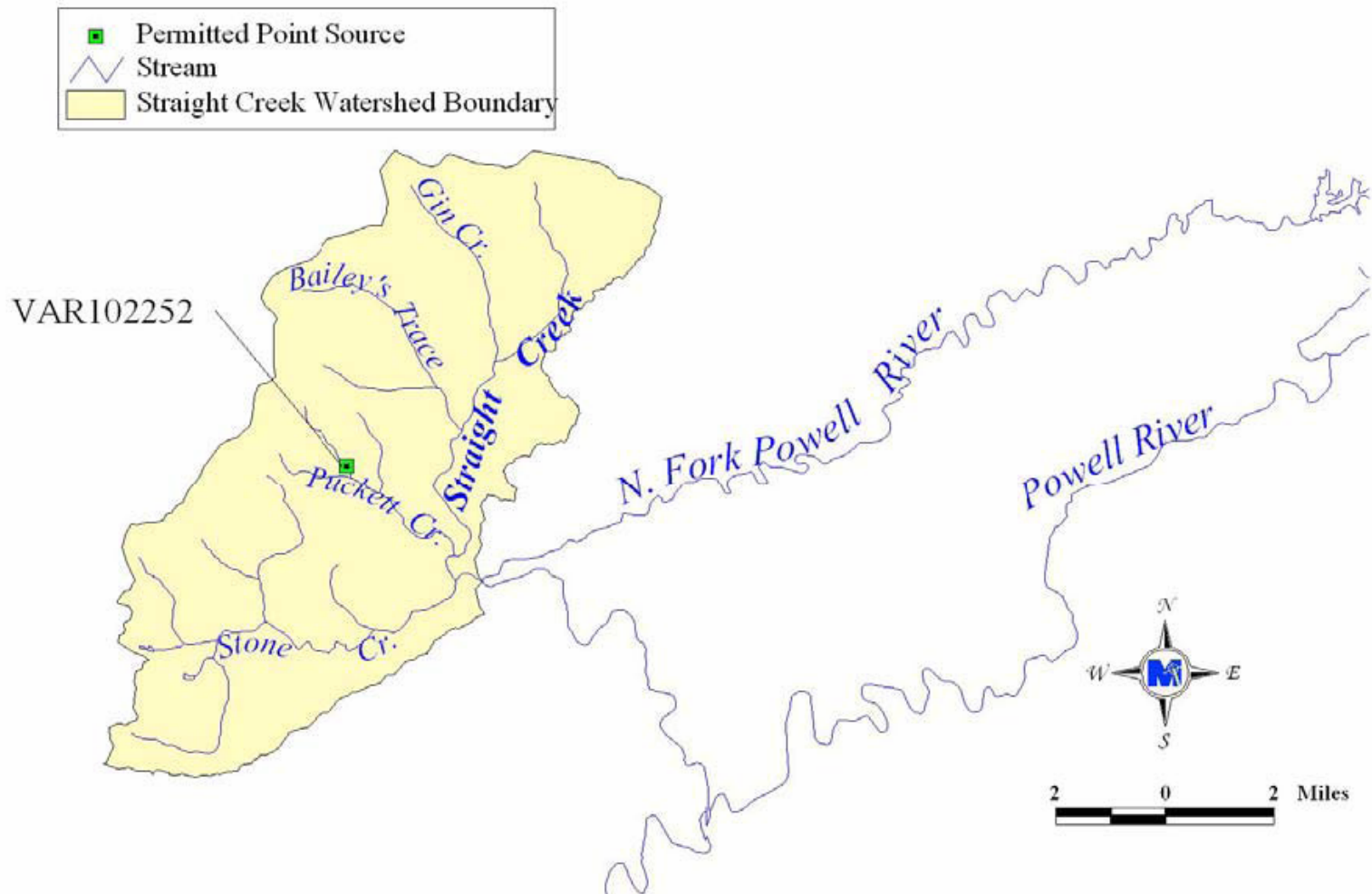


# Dumps Creek – Sediment and Total Dissolved Solids



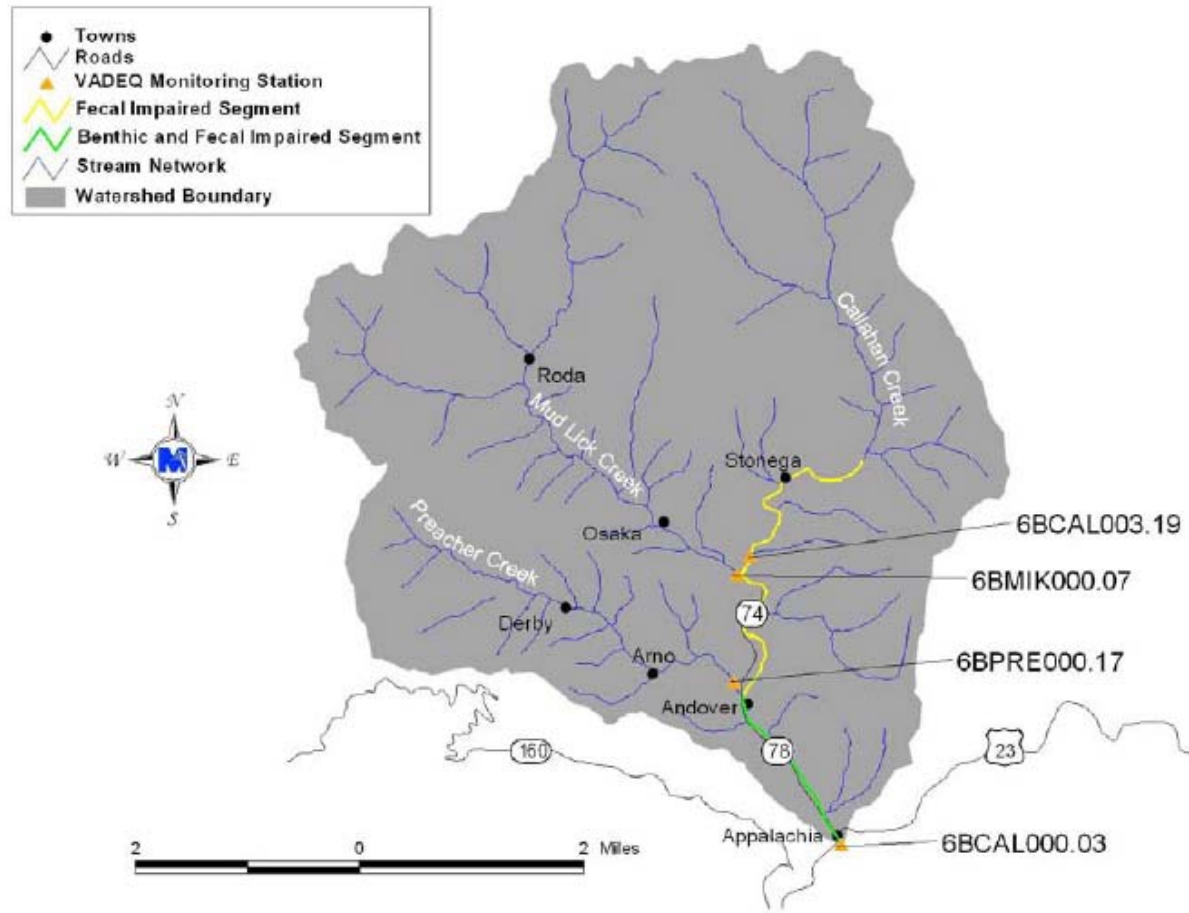


# Straight Creek and Tribs – Sediment and Total Dissolved Solids and Straight Creek Mainstem – E. Coli

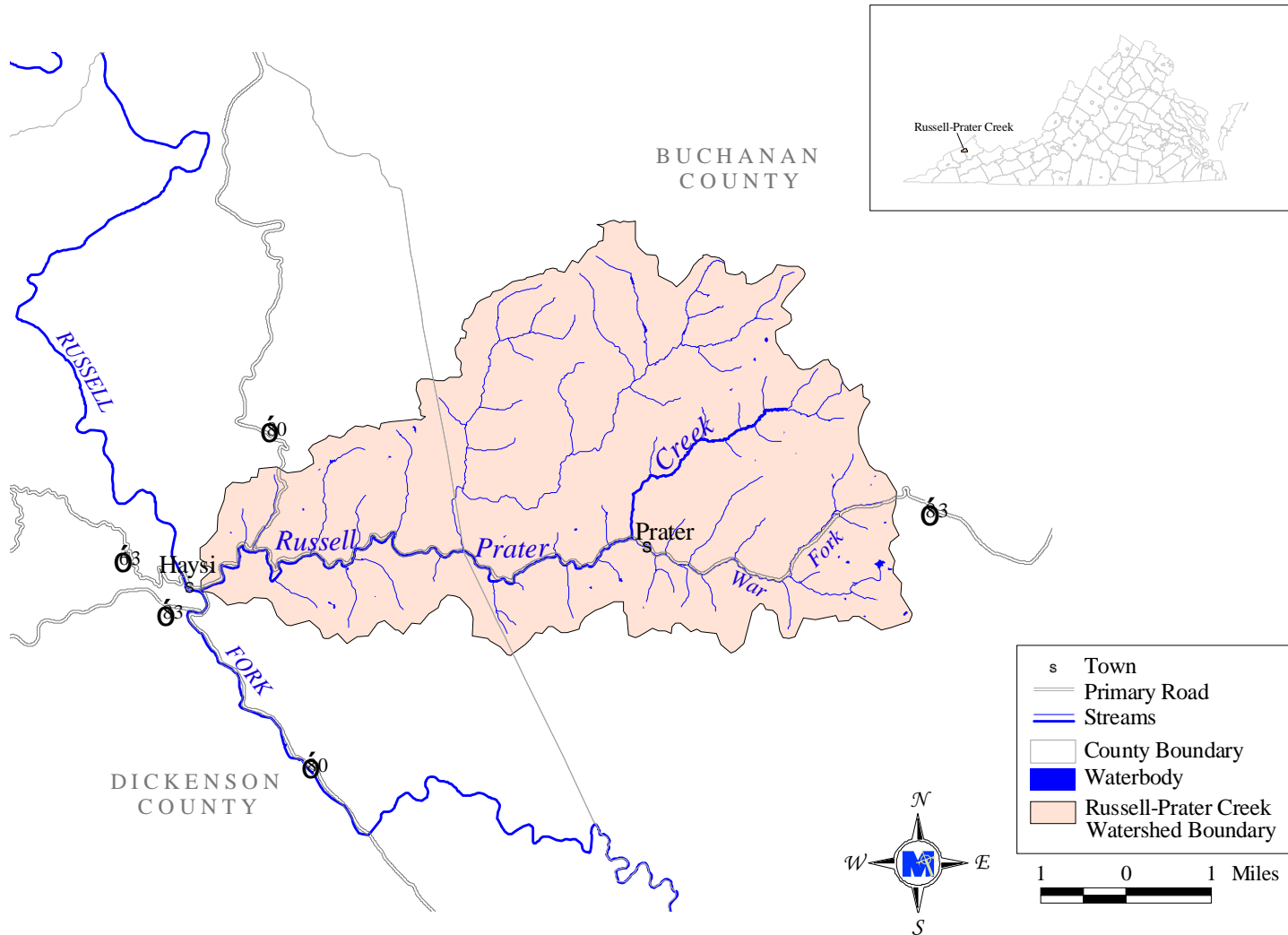




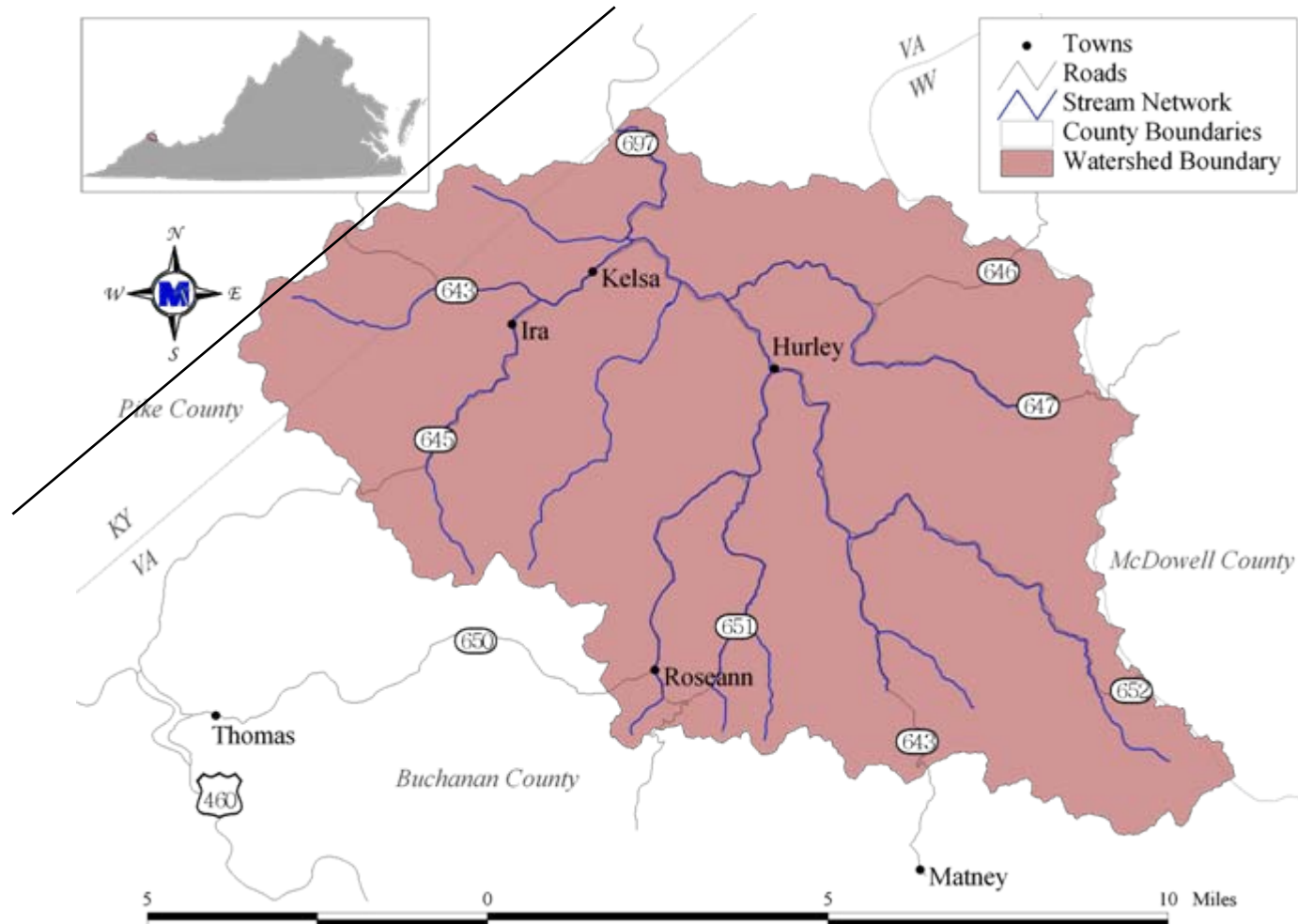
# Callahan Creek –E. Coli, Sediment and Total Dissolved Solids



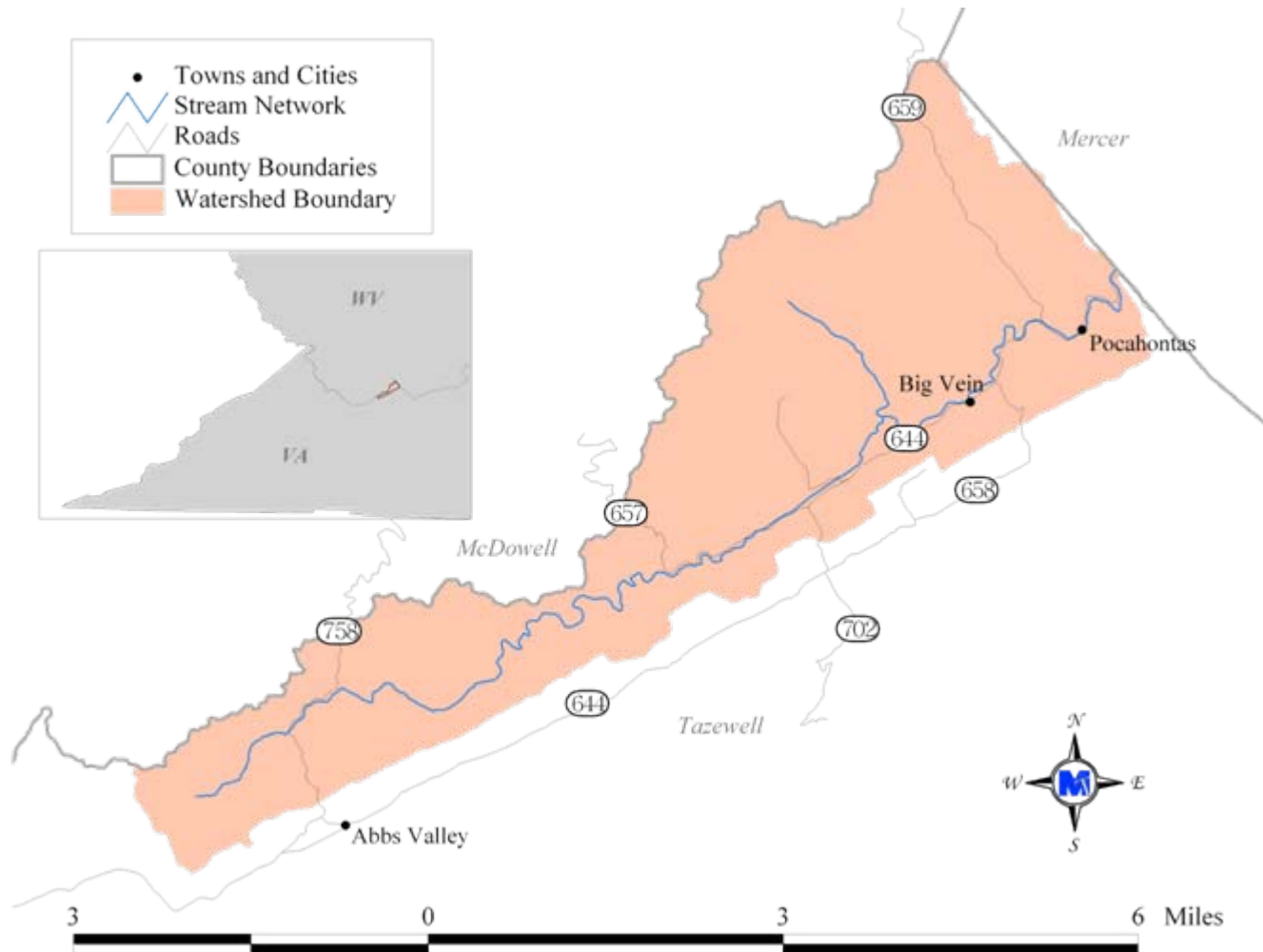
# Russell Prater Creek – Sediment and Total Dissolved Solids



# Knox Creek – E. Coli and Total Dissolved Solids and Pawpaw Creek – Sediment and Total Dissolved Solids



# Laurel Fork – E. Coli, Sediment and Dissolved Oxygen



# http://www.deq.virginia.gov/tmdl/

Virginia DEQ - TMDLs - Microsoft Internet Explorer

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Virginia DEQ > TMDLs

Main Menu

- TMDL Home
- TMDL development
- TMDL implementation
- TMDL ad hoc committee
- Geospatial data
- Additional information
- DEQ water programs

TMDLs in Virginia

As a steward of the waters of the



Commonwealth, DEQ extensively tests Virginia's rivers, lakes, and tidal waters for pollutants. Over 130 different pollutants are monitored annually to determine whether the waters can be used for swimming, fishing and drinking. Most rivers, lakes and estuaries in Virginia do meet standards as described in our biennial 305(b) Water Quality Assessment Reports. Waters that do not meet standards are reported to the citizens of Virginia and the US Environmental Protection Agency (EPA) in the 303 (d) Impaired Waters Report. Those impaired waters are the subject of this web site.

DEQ has developed lists of impaired waters in every major river

Regulation Public Notices Guidance Contacts

Email: [Charles Martin](#)

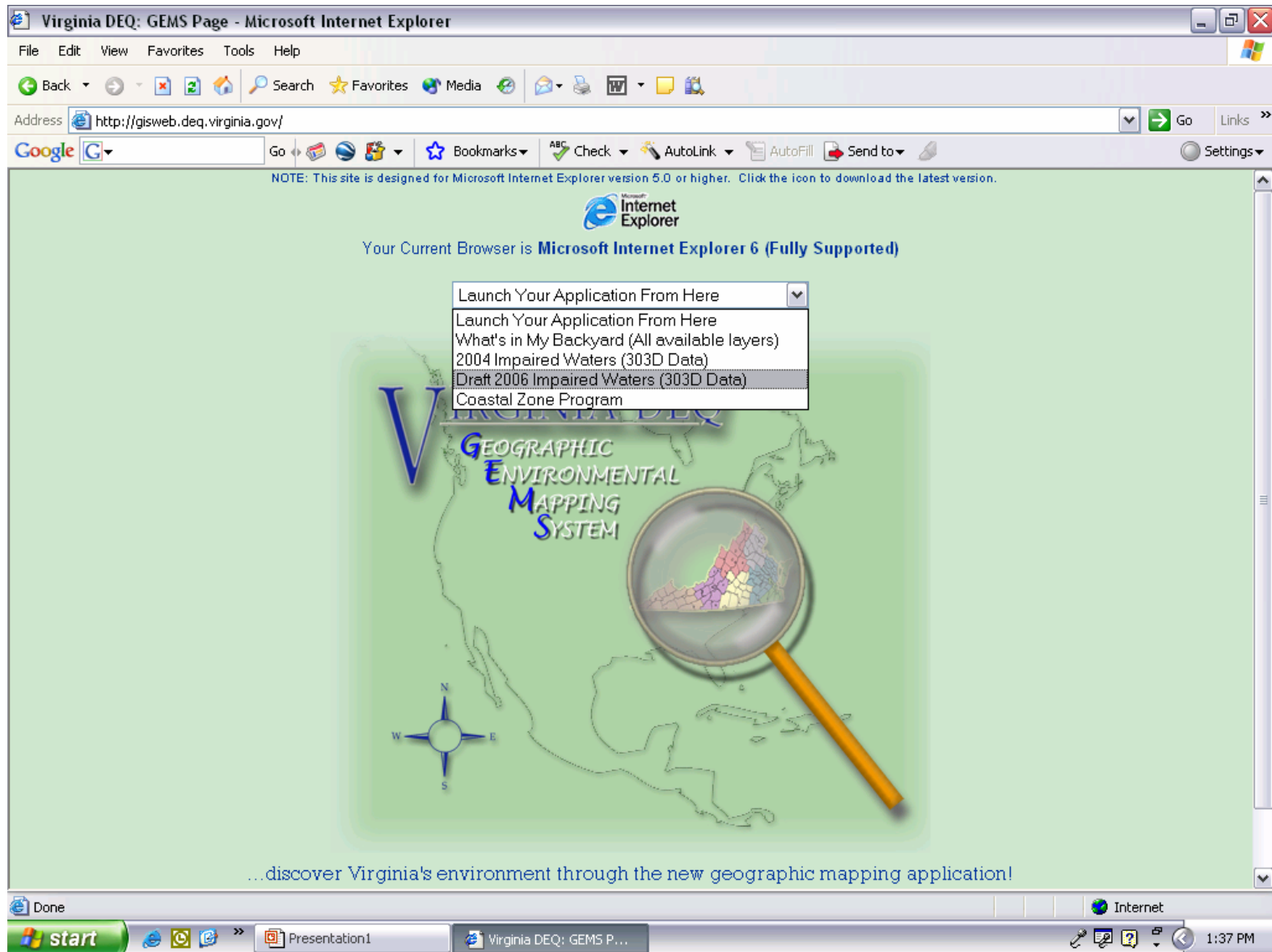
What's New

Upcoming public meetings:

- September 4 - October 2: [Second public comment period on the water quality study to develop the Laurel Fork TMDL](#)
- September 28: [Jackson River - Alleghany, Botetourt, Covington](#)
- September 28: [Pagan River and Jones Creek - Isle of Wight](#)
- October 4: [Upper Rappahannock River Basin, public meeting #1](#)
- October 11: [Upper Rappahannock River Basin, public meeting #2](#)
- October 17: [Upper Rappahannock River Basin, public meeting #3](#)
- October 17: [Back Creek - Pulaski](#)
- October 18: [Upper Rappahannock River Basin, public meeting #4](#)
- October 18: [Shellfish Propagation Waters - Gloucester](#)

start Presentation1 Virginia DEQ - TMDLs ... Internet 1:36 PM

# From the *Geospatial Data* Menu Item





# You can Zoom in to the coal counties

Virginia DEQ - Online Geographic Information System - Microsoft Internet Explorer

Select your application here: Draft 2006 Impaired Waters (303D Data)

**Navigation**

- FULL STATE VIEW
- ZOOM IN
- ZOOM OUT
- PAN

Select from Active Theme

- SELECT FEATURE
- FIND

Additional Tools

- SEARCH ADDRESS
- MEASURE
- CLEAR SELECTION
- PRINT MAP
- Help
- HELP

Map Display:

**Visible Legend**

- ☒ 2006 Impaired Rivers and Streams
- ☒ 2006 Impaired Reservoirs
- ☒ 2006 Impaired Estuaries
- ☒ General Lakes and Estuaries
- ☒ General Rivers
- ☒ Counties

Refresh Map

Click on a layer below to make it active

Current Tool: Zoom In

NOTE: Some water segments may span across multiple watersheds.

Questions or Comments? Send email to [dmalover@deq.virginia.gov](mailto:dmalover@deq.virginia.gov)

start | Presentation1 | Virginia DEQ: GEMS P... | Virginia DEQ - Online ... | 1:38 PM



# Select Streams to See Impairments

Virginia DEQ - Online Geographic Information System - Microsoft Internet Explorer

Select your application here **Draft 2006 Impaired Waters (303D Data)**

**Navigation**

- FULL STATE VIEW
- ZOOM IN
- ZOOM OUT
- PAN

Select from Active Theme

- SELECT FEATURE**
- FIND

Additional Tools

- SEARCH ADDRESS
- MEASURE
- CLEAR SELECTION
- PRINT MAP

Help

- HELP

Refresh Map

Click on a layer below to make it active

Visible Legend

- ☒ 2006 Impaired Rivers and Streams
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- ☒ 2006 Impaired Estuaries
- ☒ General Lakes and Estuaries
- ☒ General Rivers
- ☒ Counties

0 27mi

6	Powell River	5A	2.6217336627	TP04	Powell River from Roaring Branch confluence, 1
Z	Powell River	5A	2.6217336627	TP05	Powell River from Roaring Branch confluence, 1
8	Powell River	5A	5.23778946207	TP02	Mainstem Powell River from Benges Branch con

Current Tool: Select Rectangle NOTE: Some water segments may span across multiple

Questions or Comments? Send email to

start Presentation1 Virginia DEQ: GEMS P... Virginia DEQ - Online ... 1:42 PM

# From the *TMDL Development* Page Retrieve TMDL Reports, View Schedules...

The screenshot shows the Virginia Department of Environmental Quality (DEQ) website. The browser window has a title bar with standard icons. The website header includes the Commonwealth of Virginia logo and navigation links: "Skip to Content", "Web Policy", and "Contact Us". The DEQ logo is prominently displayed. Below the logo, a search bar is labeled "Search DEQ" with a "Go" button. The main navigation menu on the left lists: "Main Menu", "TMDL Home", "TMDL development", "TMDL implementation", "TMDL ad hoc committee", "Geospatial data", "Additional information", and "DEQ water programs". The "TMDL development" page is active, showing a breadcrumb trail: "Virginia DEQ > TMDLs > TMDL development". A secondary navigation bar includes "Regulation", "Public Notices", "Guidance", and "Contacts". The page content is titled "TMDL development" and includes an email contact for Charles Martin. The text explains Virginia's goal for stream beneficial uses and lists five categories: drinking water use, primary contact/swimming use, fishing use, shellfishing use, and aquatic life use. It further details the TMDL study process and the state's commitment to improving water quality. At the bottom, there are four boxes: "303d fact sheets" with a search form link, "Presentations" with a link to download documents, "Approved Reports" with a search form link, and "Schedules" with a list of links for different years (2007-2008, 2005-2006, 2003-2004).

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Search DEQ Go

Virginia DEQ > TMDLs > TMDL development

Regulation | Public Notices | Guidance | Contacts

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**TMDL development**

Email: [Charles Martin](#)

Virginia's goal is that all streams attain the appropriate beneficial uses. These beneficial uses are described by the following use goals:

- drinking water use
- primary contact/swimming use
- fishing use
- shellfishing use
- aquatic life use

These uses are protected by application of the state's numeric and narrative water quality criteria. When the beneficial uses are not being met, the state must take steps to ensure that water quality is restored. One very important step in restoring water quality in the impaired streams is the development of TMDLs.

A TMDL Study identifies sources of pollution and reductions needed from the identified pollutants to attain water quality standards. Pollution from both point sources such as residential, municipal, or industrial discharges and non-point sources such as residential, urban, or agricultural runoff are included in the TMDL study.

Virginia has approximately 125 impaired waters in TMDL development, and will begin work on an additional 240 projects (approximate) beginning in mid 2004. The links below will allow you to access information regarding ongoing and upcoming TMDL projects in the development phase.

**303d fact sheets**

Use our [search form](#) to find Impaired Waters Fact Sheets from the 2004 303d database.

**Presentations**

Download [presentations and project documents](#) from TMDL meetings.

**Approved Reports**

Use our [search form](#) to find approved TMDL reports.

**Schedules**

- [2007 - 2008 Schedule](#)
- [2005 - 2006 Schedule](#)
- [2003 - 2004 Schedule](#)

**Draft Reports**

View the [current list of draft TMDL reports](#).